SIMPLE, EASY

ATLONA

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HDMI to HDMI Scaler Box

AT-HD560

User Manual

TABLE OF CONTENTS

1. Introduction 1
2. Features 1
3. Package Contents 1
4. Operation Controls and Functions 2
    4.1 Front Panel 2
    4.2 Rear Panel 3
    4.3 OSD Operation 4
5. Connection and Installation 4
6. Specifications 5
    6.1 General Specification 5
    6.2 Support Resolution 5
7. Resetting the Unit 5
8. Safety 6
9. Warranty 7
10. Atlona Product Registration 8

Introduction

This is a compact Atlona AT-HD560 HDMI™ to HDMI™ Scaler Box. It accepts HDMI™ input with a separate Toslink or analog audio and scale it to HDMI™ (at a number of selectable resolutions) with additional Toslink and analog audio output.

This Scaler Box has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality. It is ideal for using between incompatible HDMI™ source and display by changing picture resolution and frame rate of HDMI™ source to match the native resolution of the HDMI™ display.

Features

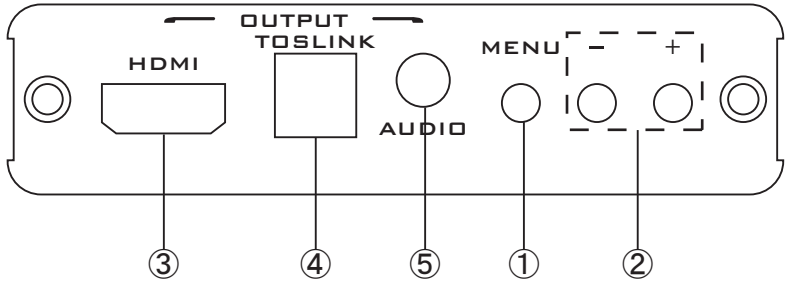
1. HDCP compliant
2. Scales any PC (VGA ~ WUXGA) /HD (480i ~ 1080p)resolutions to/from another PC/HD resolutions.
3. Automatically detect the factory setting of the connected display and output the corre sponding resolution and refresh rate, when the NATIVE output is selected.
4. Supports 50/60Hz frame rate conversion.
5. Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB level, and scan size.
6. Supports high resolution input/output:
   PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA
   HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p
7. Supports digital and analog audio input and output.
8. Image of the color bar:

"If user is seeing a color bar, it means that there is no input signal present. The color bar will be active for 15min and after the Atlona device will go to the stand-by mode and disconnect from the display. As soon as incoming video signal will resume, the Atlona device will establish a new connection with the display"

Package Contents

1. HDMI™ to HDMI™ Scaler Box
2. 5VDC Power Supply Adaptor
3. Operation Manual

4.1. Front Panel



1. MENU Button:

a. Press the MENU button to bring up OSD operation menu (see section “4.3 OSD Operation” for reference.)

b. When in the OSD menu mode, use MENU button as an OK key to confirm the selection.

2. +/- Buttons:

a. On the first tier of OSD menu, use + and - buttons to scroll up/down the highlight bar for selection.

b. Once the desired option is selected, use + and - buttons to toggle between setting values.

3. HDMI OUTPUT:

Connect the HDMI™ output port to the HDMI™ input port of your display.

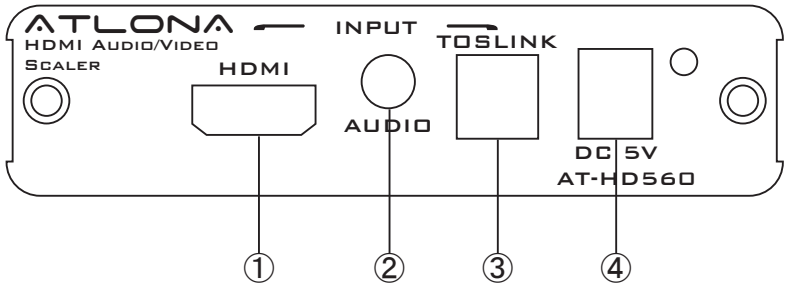
4. TOSLINK OUTPUT:

Connect the digital audio output port to the input port of your digital audio equipment such as amplifier, or receiver, using Optical Fiber cable.

5. AUDIO OUTPUT:

Connect the analog audio output port to the input port of your analog audio equipment such as speakers.

4.2. Rear Panel



1. HDMI INPUT:

Connect the HDMI™ input port to the HDMI™ output port of your source equipment such as DVD player or Set-Top-Box.

2. AUDIO INPUT:

Connect the analog audio input port to the output port of your source equipment such as DVD player or Set-Top-Box.

3. TOSLINK INPUT:

Connect the digital audio input port to the Toslink output port of your source equipment such as DVD player or Set-Top-Box.

4. Power Supply:

Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

4.3 OSD Operation

1st Tier Option	2nd Tier Option	Adjustment
CONTRAST	-	0 ~ 100 of Contrast Level
BRIGHTNESS	-	0 ~ 100 of Brightness Level
FINETUNE	- HUE	0 ~ 100 of Hue Level
	- SATURATION	0 ~ 100 of Saturation Level
	- SHARPNESS	0 ~ 100 of Sharpness Level
	- EXIT	Back to 1st Tier
COLOR	- RED	0 ~ 100 of Red Color Level
	- GREEN	0 ~ 100 of Green Color Level
	- BLUE	0 ~ 100 of Blue Color Level
	- EXIT	Back to 1st Tier
SIZE	-	FULL / OVERSCAN / UNDERSCAN
OUTPUT	-	NATIVE / VGA / SVGA / XGA / SXGA /UXGA / 480i / 480p / 720p@60Hz / 1080i@60Hz / 1080p@60Hz / 576i / 576p / 720p@50Hz / 1080i@50Hz / 1080p@50Hz / WXGA / WSXGA / WUXGA
AUDIO	-	HDMI / EAR PHONE / OPTICAL
OSD	- HPOSITION	0 ~ 100 of OSD Horizontal Position
	- VPOSITION	0 ~ 100 of OSD Vertical Position
	- TIMER	0 ~ 100 of OSD Existing Time (sec.)
	- TRANSP	0 ~ 100 of OSD Transparent Level
	- EXIT	Back to 1st Tier
INFORMATION	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
EXIT	-	Close OSD Menu

Connection and Installation

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Specifications

6.1. General Specification

* Frequency bandwidth: 1.65Gbps (single link)
* Input Ports:
  HDMI™ x 1 / Toslink x 1 / 3.5mm Phone Jack x 1
* Output Ports:
  HDMI™ x 1 / Toslink x 1 / 3.5mm Phone Jack x 1
* 5V/2.6A DC power supply
* Dimensions: 102(W) x 145(D) x 25(H)mm
* Weight: 1Kgs

6.2. Support Resolution

INPUT	
PC	VGA@(60/72/75/85Hz), SVGA@(56/60/72/75/85Hz), XGA@(60/70/75/85Hz), SXGA@(60/75/85Hz), UXGA@60Hz, WXGA@60Hz, WSXGA@60Hz, WUXGA@60Hz
TV	480i, 480p, 576i, 576p, 720p@(50/60Hz), 1080i@(25/30Hz), 1080p@(50/60Hz)
OUTPUT	
PC	VGA@(60/72/75/85Hz), SVGA@(56/60/72/75/85Hz), XGA@(60/70/75/85Hz), SXGA@(60/75/85Hz), UXGA@60Hz, WXGA@60Hz, WSXGA@60Hz, WUXGA@60Hz
TV	480i, 480p, 576i, 576p, 720p@(50/60Hz), 1080i@(25/30Hz), 1080p@(50/60Hz)

Resetting the Unit

1. Press and hold “Menu” button for 5 seconds
2. Disconnect power plug from the unit while holding the “Menu” and wait for 5 seconds
3. Connect the power plug back in and continue holding the “Menu” for another 5 seconds
4. Release the “Menu” and allow up to 10 seconds for the unit to connect to the display

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

Do not modify the wall plug.
Doing so will void the warranty and safety features.

This equipment should be installed near the socket outlet and the device should be easily accesible in case it requires disconnection.

Precautions

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the
user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair
performance, damage the product or cause fires.

In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.

Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could
enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.

Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD560. Opening the product will void the warranty.

Do not attempt to service the unit. Instead disconnect it and contact your Authorised ATLONA reseller or contact ATLONA directly.

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

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ATLONA PRODUCT REGISTRATION

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We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.

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